### **SUMMARY**

Waste Management consists of the Solid Waste Storage and Disposal, Project Baseline Summary (PBS) WM03, Work Breakdown Structure (WBS) 1.2.1; Solid Waste Treatment, PBS WM04, WBS 1.2.2; Liquid Effluents - 200 Area, PBS WM05, WBS 1.2.3.1; and the Waste Encapsulation and Storage Facility, PBS TP02, WBS 1.4.2.

All revised procedures were submitted to the Carlsbad Area Office (CAO) to comply with the Waste Isolation Pilot Plant (WIPP) Part B Permit.

The 200 Area Effluent Treatment Facility completed repairs and restarted operations following the acid spray event. A draft Accident Investigation Report was prepared with the final report expected by December 17, 1999.

Milestone performance (EA, DOE-HQ, Field Office, and RL) shows no milestones are due this reporting period.

### **ACCOMPLISHMENTS**

- Disposed 29,600 ft<sup>3</sup> (FYTD) of Low Level Waste (LLW) in the burial grounds.
- Processed 1.8 million gallons (FYTD) of wastewater through the 200 Effluent Treatment Facility supporting River Protection Project (RPP), ERC 200-UP-1 Groundwater, N-Basin Water, and ERDF Leachate.
- Completed non-destructive examinations (NDE) on 99 drums, nondestructive assay (NDA) on 27 drums, radiography on 1 box, and visual examinations of 12 drums (FYTD) at the Waste Receiving and Processing (WRAP) Facility.
- The Technical Information Document and the Hanford Site (Radioactive and Hazardous) Waste Program Environmental Impact Statement were issued as planned, for internal review.

# COST PERFORMANCE (\$M):

	BCWP	ACWP	VARIANCE		
Waste Management	\$14.4	\$13.2	+ \$1.2		

The \$1.2 million (8.3 percent) favorable cost variance is within established threshold. Further information at the PBS level can be found in the following Cost Variance Analysis details.

# SCHEDULE PERFORMANCE (\$M):

	BCWP	BCWS	VARIANCE		
Waste Management	\$14.4	\$16.3	- \$1.8*		

<sup>\*</sup>Rounding

The \$1.8 million (11.1 percent) unfavorable schedule variance is due to delays in the ATG construction, TRU production delays, the shutdown of the 200 Area ETF, and a hold on the WESF Safety Analysis Report. Further information at the PBS level can be found in the following Cost Variance Analysis details.

#### **ISSUES**

Changing WIPP Certification requirements may cause certification and initial shipment to slip by at least 4 weeks.

**Strategy/Status:** Continue negotiation between DOE -RL Waste Management Division, Waste Management Project and Carlsbad Area Office. An audit is scheduled at Hanford for the week of January 24, 2000. The first shipment is scheduled for late February 2000, following the expected approval of the Hanford TRU Certification Program.

The Waste Management Programmatic Environmental Impact Statement (PEIS) is expected to be issued in the near future. The Records of Decision (ROD) for LLW and MLLW will affect Hanford's disposal role for the Complex. The ROD outcomes may have a significant impact on disposal volumes and rates at Hanford.

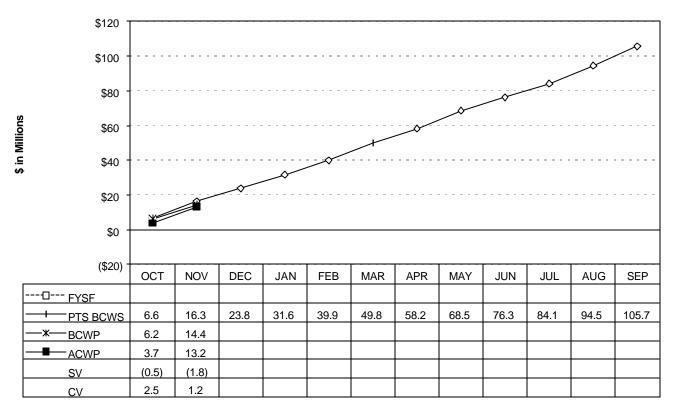
**Strategy/Status:** Identification of DOE's notice of preference for the Waste Management Program LLW and MLLW disposal sites was published in the Federal Register on December 10, 1999. DOE will issue a ROD for LLW and MLLW treatment and disposal no sooner than 30 days after publication of the Notice.

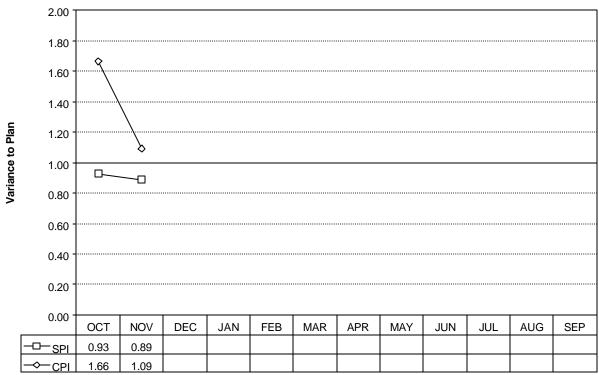
Some current waste streams do not meet the Double Shell Tank (DST) system acceptance criteria. Waste Management is pursuing alternative disposition pathways for the 221-T tank system waste stream due to the presence of TSCA regulated PCBs.

**Strategy/Status:** WMH is working with FDH and DOE-RL to ensure a strong consolidated approach to compliant and effective PCB waste management. WMH has established a team to identify and propose paths for waste storage, treatment, and disposal alternatives to the DST system. Interim measures to enable continued operations are underway.

# WASTE MANAGEMENT WBS 1.2 FY 1999 COST/SCHEDULE PERFORMANCE - ALL FUND TYPES

**Cumulative to Date Status** 





# WASTE MANAGEMENT WBS 1.2 / 1.4.2

		_							
				FYTD			AUTH	PTS	
			BCWS	<b>BCWP</b>	<b>ACWP</b>	SV	CV	BSLN	BCWS
1.4.2	WESF	Expense	2.4	1.8	1.6	(0.7)	0.1	14.0	14.7
TP02		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Subtotal 1.4.2		2.4	1.8	1.6	(0.7)	0.1	14.0	14.7
1.2.1.	Solid Waste	Expense	5.5	5.5	4.8	(0.0)	0.7	35.3	35.3
WM03	Stor & Disposal	CENRTC	0.0	0.0	0.0	0.0	(0.0)	0.0	0.0
		GPP/LI	0.0	0.0	<del>(0.0)</del>	0.0	0.0	0.0	0.0
	Subtotal 1.2.1		5.5	5.5	4.8	(0.0)	0.7	35.3	35.3
1.2.2.	Solid Waste	Expense	4.0	3.5	3.3	(0.6)	0.1	26.7	26.7
WM04	Treatment	CENRTC	0.0	0.0	(0.0)	0.0	0.0	0.0	0.0
		GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Subtotal 1.2.2		4.0	3.5	3.3	(0.6)	0.1	26.7	26.7
1.2.3.	Liquid Effluents	Expense	4.3	3.7	3.5	(0.6)	0.2	28.9	28.9
WM05		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		GPP/LI	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Subtotal 1.2.3		4.3	3.7	3.5	(0.6)	0.2	28.9	28.9
Total W	aste Management	Expense	16.3	14.4	13.2	(1.8)	1.2	104.9	105.6
		CENRTC	0.0	0.0	(0.0)	0.0	0.0	0.0	0.0
		GPP/LI	0.0	0.0	<del>(0.0)</del>	0.0	0.0	0.0	0.0
	Total		16.3	14.4	13.2	(1.8)	1.2	104.9	105.7

**\$ In Millions** 

PBS WM06, WBS 1.2.4 is included in Analytical Services, Section B:2.

## Environmental Management Performance Report – November 1999 Section B: 1 – Waste Management

# COST VARIANCE ANALYSIS: (+\$1.2M)

WBS/PBS <u>Title</u>

1.2.1/WM03 Solid Waste Storage & Disposal

**Description/Cause:** The favorable cost variance of \$.7M (13 percent) is due to staffing vacancies,

caused by a project hold on hiring, until FY 2000 funding uncertainties were resolved.

**Impact:** No impact.

**Corrective Action:** No corrective action required.

1.2.2/WM04 Solid Waste Treatment

**Description/Cause:** The favorable cost variance of \$0.1M (4.2 percent) is within the established

threshold.

**Impact:** No impact.

**Corrective Action:** No corrective action required.

1.2.3.1/WM05 Liquid Effluents-200 Area

**Description/Cause:** The favorable cost variance of \$.1M (3.4 percent) is within the established

threshold.

**Impact:** No impact.

Corrective Action: No corrective action required

1.4.2/TP02 WESF

**Description/Cause:** The favorable cost variance of \$0.1M (7.8 percent) is within the established

threshold.

**Impact:** No impact.

**Corrective Action:** No corrective action required.

### Environmental Management Performance Report – November 1999 Section B: 1 – Waste Management

# SCHEDULE VARIANCE ANALYSIS: (-\$1.8)

WBS/PBS <u>Title</u>

1.2.1/ WM03 Solid Waste Storage & Disposal

**Description** / Cause: The unfavorable schedule variance of .4 percent is within the established

threshold.

**Impact:** No Impact.

**Corrective Action:** No corrective action required.

#### 1.2.2/WM04 Solid Waste Treatment

**Description /Cause:** The unfavorable schedule variance of \$.6M (14.5 percent) is due to the delayed shipment and treatment of waste to Allied Technology Group (ATG) due to difficulties in obtaining Resource Conservation and Recovery Act of 1976 (RCRA) permitting and resultant construction delays. Also contributing to the variance is the WIPP RCRA permit changes impacting the requirements and procedures, which has delayed TRU production.

**Impact:** The ATG RCRA permit was effective July 7, 1999, and construction has been initiated. The shipment of waste to ATG will be initiated in January 2000.

**Corrective Action:** TRU production is focused only on items necessary to support certification.

#### 1.2.3.1/WM05 Liquid Effluents-200 Area

**Description /Cause:** The unfavorable schedule variance of \$0.5M (16.0 percent) is due to the shutdown of operations at the ETF, caused by the acid spill.

**Impact:** The schedule is expected to be recovered.

**Corrective Action:** Operations resumed on November 23, 1999.

#### 1.4.2/TP02 WESF

**Description /Cause:** The unfavorable schedule variance of \$0.7M (26.9 percent) is due to the WESF Safety Analysis Report contract on hold for a re-evaluation of the need to update.

Impact: None.

**Corrective Action:** No corrective action required.

# Waste Management – WBS 1.2 MILESTONE ACHIEVEMENT

	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			
MILESTONE TYPE	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	TOTAL FY 2000
Enforceable Agreement	0	0	0	0	0	3	0	3
DOE-HQ	0	0	0	0	0	0	0	0
FO	0	0	0	0	0	1	0	1
RL	0	0	0	0	0	8	0	8
Total Project	0	0	0	0	0	12	0	12

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# MILESTONE EXCEPTION REPORT

Number/WBS Level Milestone Title Baseline Forecast Date Date

Overdue - 0

FORECAST LATE - 0

FY 1999 OVERDUE - 1

**TRP-98-709 RL** Complete Hot Cell Deactivation 03/31/99 06/30/00

1.4.2

**Cause:** This milestone was not completed due to resources diverted to other higher priority areas (i.e. 200 Area contamination event, Low Level Liquid Waste project, FEB preparation).

**Impact:** No overall impact is expected.

Corrective Action: Completion of the hot cell clean up has been deferred to FY 2000.